

CLAIMS

1. A deuteron generating target comprising:
a base film mainly composed of a halogen-containing organic
compound; and

5 an upper film provided on said base film and mainly composed
of a deuterated organic compound.

2. A deuteron generating target comprising a porous base film
mainly composed of halogen-containing organic compound,
wherein a deuterated organic compound is impregnated in at
10 least part of said porous base film.

3. A deuteron generating target according to claim 1 or claim 2,
wherein said halogen-containing organic compound is fluorine-
substituted hydrocarbon.

4. A deuteron generating target apparatus comprising:
15 a deuteron generating target according to any one of claims 1 to
3;

a holder holding said deuteron generating target on a
predetermined surface;

20 a laser source irradiating said deuteron generating target with a
laser beam to a predetermined area of said deuteron generating target;
and

a driving mechanism moving said deuteron generating target on
said predetermined surface so as to change a relative position of the
laser beam-irradiated area on said deuteron generating target with
25 respect to said laser source.